

Please add the following claims:

2. 1. A method of providing operational power to a portable utilization device,
said method comprising:

- (a) storing in an electronic memory device contained within a battery pack,
battery pack data related to battery pack characteristics;
- (b) coupling the battery pack with the portable utilization device;
- (c) monitoring present battery pack conditions;
- (d) retrieving the battery pack data;
- (e) communicating information based on the present battery pack conditions
and based on the battery pack data to processing circuitry of the portable
utilization device; and
- (f) controlling the utilization of the battery pack by said portable utilization
device.--

3. 1. A method of providing operational power to a portable utilization device,
said method comprising:

- (a) coupling a battery pack with an electronic memory system and with
processing circuitry of the portable utilization device;
- (b) incorporating in the electronic memory system, battery pack data related
to battery pack characteristics of the battery pack;
- (c) monitoring present battery pack conditions;

(d) retrieving the battery pack data;

(e) communicating information based on the present battery pack conditions and based on the battery pack data to processing circuitry of the portable utilization device; and

(f) controlling the utilization of the battery pack by said portable utilization device.--

--13. A method according to Claim 12, wherein the processing circuitry is responsive to a low power condition of the portable utilization device to conserve power.--

--14. A method according to Claim 12, wherein in response to a low power condition, the portable utilization device is placed in a powered down mode without loss of data.--

--15. A method according to Claim 12, wherein the processing circuitry is operative to monitor power consumed by various components associated with the portable utilization device.--

--16. A method according to Claim 12, wherein the portable utilization device controls clock operating speed of the processing circuitry to reduce power